

CLAIMS

1. A communication apparatus that transmits and receives data of a predetermined format through a network comprising:

5 detection means with which a called side communication apparatus detects a condition capable or incapable of communication in accordance with its own condition;

 means for sending, when a call has been issued
10 and received and it is detected by said detection means that the called side communication apparatus is in a condition incapable of communication, a message indicating incapableness of communication as an SIP message from the called side communication apparatus
15 to a calling side communication apparatus upon sending and receiving a call;

 means with which the calling side communication apparatus that has received the message indicating incapableness of communication sends a notification
20 of resuming-to-receive request message for requesting notification of resuming to receive as an SIP message, if necessary; and

 means with which the called side communication apparatus that has received the notification of
25 resuming-to-receive request message sends, when a condition capable of communication is detected by said detection means, a message notifying resuming to

receive as an SIP message to the calling side
communication apparatus that has sent the
notification of resuming-to-receive request message,
wherein transmission and reception of

5 communication data are performed in response to
sending and receiving of the message notifying
resuming to receive.

2. A control method for communication
10 apparatuses that transmit and receive data of a
predetermined format through a network, wherein
in sending a call, communication apparatuses
performing communication notify each other of a
condition in terms of capableness/incapableness of
15 communication using SIP protocol,

when a called side communication apparatus is
in a condition incapable of communication, it sends a
message indicating incapableness of communication as
an SIP message to a calling side communication
20 apparatus,

the calling side communication apparatus that
has received the message indicating incapableness of
communication sends a notification of resuming-to-
receive request message for requesting notification
25 of resuming to receive as an SIP message, if
necessary,

when the called side communication apparatus

that has received the notification of resuming-to-receive request message is restored to a condition capable of receiving, it sends a message notifying resuming to receive as an SIP message to the calling
5 side communication apparatus that has sent the notification of resuming-to-receive request message, and

transmission and reception of communication data are performed in response to sending and
10 receiving of the message notifying resuming to receive.

3. A control program of communication apparatuses that transmit and receive data of a
15 predetermined format through a network, wherein
in sending a call, communication apparatuses performing communication notify each other of a condition in terms of capableness/incapableness of communication using SIP protocol,

20 when a called side communication apparatus is in a condition incapable of communication, it sends a message indicating incapableness of communication as an SIP message to a calling side communication apparatus,

25 the calling side communication apparatus that has received the message indicating incapableness of communication sends a notification of resuming-to-

receive request message for requesting notification
of resuming to receive as an SIP message, if
necessary,

when the called side communication apparatus
5 that has received the notification of resuming-to-
receive request message is restored to a condition
capable of receiving, it sends a message notifying
resuming to receive as an SIP message to the calling
side communication apparatus that has sent the
10 notification of resuming-to-receive request message,
and

transmission and reception of communication
data are performed in response to sending and
receiving of the message notifying resuming to
15 receive.

4. A communication system that transmits and
receives data of a predetermined format through a
network comprising:

20 detection means with which a called side
communication apparatus detects a condition capable
or incapable of communication in accordance with its
own condition;

means for sending, when a call has been issued
25 and received and it is detected by said detection
means that the called side communication apparatus is
in a condition incapable of communication, a message

indicating incapableness of communication as an SIP message from the called side communication apparatus to a calling side communication apparatus upon sending and receiving a call;

5 means with which the calling side communication apparatus that has received the message indicating incapableness of communication sends a notification of resuming-to-receive request message for requesting notification of resuming to receive as an SIP message,
10 if necessary; and

 means with which the called side communication apparatus that has received the notification of resuming-to-receive request message sends, when a condition capable of communication is detected by
15 said detection means, a message notifying resuming to receive as an SIP message to the calling side communication apparatus that has sent the notification of resuming-to-receive request message,
 wherein transmission and reception of
20 communication data are performed in response to sending and receiving of the message notifying resuming to receive.